

### ***Amendments to the Claims***

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. *(currently amended)* An online medical information management method applied to a medical information providing system, comprising the acts of:

[[ (1) ]] authenticating, using a controller, a request of a ~~when a physician terminal connected to the medical information providing system~~ when requesting ~~requests a medical information management service for a physician from a network, a controller performing an authentication procedure for the request;~~

[[ (2) ]] ~~when it is determined by the authentication procedure that the request has been made by an authenticated user, the controller transmitting, using the controller, a physician's web screen to the physician terminal~~ when it is determined by the authentication procedure that the request has been made by an authenticated user, the physician's web screen comprising at least one block selected from the group consisting of a user information display block which displays information on the physician, a main menu block which displays all menu items used by the physician, a My menu block which displays shortcut icons that activate the physician's preference menu items selected by the physician among the all menu items, a patient information view block which allows the physician to view information on a patient, and a patient information input block which allows the physician to enter information necessary for performing medical care actions, a main menu block, a patient information view block, and a patient information input block;

[[ (3) ]] ~~when a patient to be cared for is selected, the controller displaying, using the controller, information in the user information display block~~ when a patient to be cared for is selected, the information including at least one information item selected from the group consisting of patient identification, department concerned, primary care physician diagnosis, and operation;

[[ (4) ]] storing, using the controller, the input information together with the patient information displayed in the user information display block ~~when at least one information item selected from the group consisting of new outpatient, outpatient~~

progress, new inpatient, admission progress, ask for referral, operation record, discharge record, medical certificate/request, form, and psychiatric findings is input through the patient information input block, ~~the controller storing the input information together with the patient information displayed in the user information display block;~~ and

[[ (5) ]] displaying, using the controller, retrieved pertinent stored information through the patient information view block when a request to view at least one information item selected from ~~the group consisting of~~ new outpatient, outpatient progress, examination query, ask for referral, form, new inpatient, admission progress, operation record, and discharge record is input through the patient information view block, ~~the controller retrieving pertinent information among the information items stored in act (4) and outputting the retrieved information through the patient information view block.~~

2. *(currently amended)* The method of claim 1, wherein the user information display block displays at least ~~one selected from the group consisting of~~ an attending doctor menu item for identifying and registering a physician other than a primary care physician, if any, a Medication menu item for check information on medicines prescribed for the patient, a patient information menu item for checking detailed identification information for the patient, an alert menu item for inputting or viewing special status information on the patient, and a reminder menu item for inputting or viewing matters to be attended in caring the patient.

3. *(Currently amended)* The method of claim 1, further comprising ~~the acts of:~~

[[ (6) ]] displaying, using the controller, an order input window for inputting an order for the patient on the physician terminal when the physician' web screen is output and simultaneously an order input menu item is selected, ~~the controller displaying an order input window for inputting an order for the patient on the physician terminal and;~~  
storing, using the controller, the order input through the order input window; and

[[ (7) ]] transmitting, using the controller, the stored order to the physician terminal to be displayed when there is a request to view the order input through the patient information view block, ~~the controller transmitting the stored order to the physician terminal to be displayed.~~

4. *(currently amended)* The method of claim 1, further comprising the act of:  
[[~~(8)~~]] displaying, using the controller, in the patient information view block the nursing notes input and stored through a nurse terminal when there is a request for view nursing notes input through the patient information view block, ~~the controller displaying in the patient information view block the nursing notes input and stored through a nurse terminal.~~

5. *(currently amended)* The method of claim 1, wherein the information items input through the patient information input block, including new outpatient, outpatient progress, new inpatient, admission progress, ask for referral, operation record, discharge record, medical certificate/request, form, and psychiatric findings, ~~are configured to allow the physician to selectively check or to directly input the same.~~

6. *(currently amended)* The method of claim 1, wherein the patient information displayed on the patient information view block outputs ~~is configured to output~~ pertinent content in a in chronological order.

7. *(currently amended)* The method of claim 1, wherein the patient information input block for inputting the information on new outpatient and new inpatient information displays at least one menu item selected from ~~the group consisting of~~ chief complaint (CC), present illness (PI), past history1 (PHx1), past history2 (PHx2), review systems (ROS), physical examination (PE) and treatment plan (A/P).

8. *(currently amended)* The method of claim 1, further comprising: requesting stored information, using the controller, when the request has been made by a the user authenticated to have a viewing right and wherein when the information input through the physician's web screen is stored and there is a request for the stored information from at least one terminal selected from the physician terminal, the nurse terminal, the clinical laboratory staff terminal, and the administrative staff terminal, ~~make a request for the stored information when the request has been made by a the user authenticated to have a viewing right.~~

9. *(currently amended)* An online medical information management method applied to a medical information providing system, comprising the acts of:

[[ (1) ] ] performing an authentication procedure for a request, using a controller, when a nurse terminal connected to the medical information providing system requests a medical information management service for a nurse through a network, ~~a controller performing an authentication procedure for the request;~~

[[ (2) ] ] transmitting a nurse's web screen to the nurse terminal, using the controller, when it is determined by the authentication procedure that the request has been made by an authenticated user, ~~the controller transmitting a nurse's web screen to the nurse terminal,~~ the nurse's web screen comprising at least one block selected from the group consisting of a user information display block which displays information on the nurse, a main menu block which displays all menu items used by the nurse, a My menu block which displays shortcut icons for activating the nurse's preference menu items selected by the nurse among the all menu items, a main menu block, a patient selection block which allows the nurse to select a patient for searching information among a plurality of patients, and a patient information input/output block which allows the nurse to enter or view information on the patient;

[[ (3) ] ] displaying information in the user information display block, using the controller, when a patient to be cared for is selected, ~~the controller displaying information in the user information display block,~~ the information including at least one information item selected from ~~the group consisting of~~ patient identification, department concerned, primary care physician, diagnosis, and operation; [[and]]

[[ (4) ] ] outputting the pertinent content to the patient information input/output block, using the controller, when there is a request for activating at least one menu item of the 'My menu' block selected from ~~the consisting of~~ order execution, nursing notes, clinical observation, serious case nursing note, nursing activity execution, initial nursing information, post discharge nursing plan, pre-operation nursing status checklist, nursing note and nursing activity query, patient position check, medication issuance, diet issue and review, examination result review, and discharge process, ~~the controller outputting the pertinent content to the patient information input/output block,~~

storing, using the controller, the information input through the patient information input/output block therein, and

outputting the requested information through the patient information input/output block, using the controller, when there is a request for outputting the menu items, the patient selection block displaying a first patient selection button for activating patient selection, a second patient selection button displayed in different types according to the menu item selected by the first patient selection button, and a patient list for displaying a list of patients according to the menu item selected by the second patient selections button.

10. *(currently amended)* The method of claim 9, wherein;

the user information display block displays at least one ~~selected from the group consisting of~~ an attending doctor menu item for identifying and registering an physician other than a primary care physician, ~~wherein~~ a physician is designated, a medication menu item for check information on medicines prescribed for the patient, a patient information menu item for checking detailed identification information for the patient, an alert menu item for inputting or viewing special status information on the patient, and a reminder menu item for inputting or viewing reminders to care for the patient.

11. *(currently amended)* The method of claim 9, further comprising ~~the act of:~~

~~[[ (5) ]]~~ displaying the order input and stored by the physician on the patient information input/output block, using the controller, when an order execution menu item is selected from the 'My menu' block, the controller ~~displaying the order input and stored by the physician on the patient information input/output block.~~

12. *(currently amended)* The method of claim 9, further comprising ~~the act of:~~

~~[[ (6) ]]~~ displaying items to be input to the nursing note, using the controller, when a nursing note menu item is selected from the 'My menu' block, the controller ~~displaying items to be input to the nursing note, and~~

displaying the selected item through the patient information input/output block when there is a request for storing the selected item among the items, ~~displaying the selected item and outputting the same through the patient information input/output block.~~

13. *(currently amended)* The method of claim 9, further comprising ~~the act of:~~

~~[[ (7) ]]~~ displaying, using the controller, the pertinent screen on the patient information

input/output block when a clinical observation menu item is selected from the 'My menu' block, ~~the controller displaying the pertinent screen on the patient information input/output block,~~

storing, using the controller, the clinical observation information input through the input/output block, and

outputting, using the controller, the same clinical observation information through the patient information input/output block.

14. *(Currently Amended)* The method of claim 9, wherein the information input through the nurse's web screen is stored and there is a request for the stored information from at least one selected from the physician terminal, the nurse terminal, the clinical laboratory staff terminal, and the administrative staff terminal [[50]], the information is transmitted for viewing when the request has been made from the user authenticated to have a viewing right.

15. *(Currently Amended)* An online medical information management method applied to a medical information providing system, comprising ~~the acts of:~~

[[1]] performing an authentication procedure for a request, using a controller, when there is a request for a medical information management service for clinical laboratory staff from at least one selected from the physician terminal, the nurse terminal, and the clinical laboratory staff terminal connected to the medical information providing system through a network, ~~a controller performing an authentication procedure for the request;~~

[[2]] transmitting a clinical laboratory staff's web screen to the requesting terminal, using the controller, when it is determined by the authentication procedure that the request has been made by an authenticated user, ~~the controller transmitting a clinical laboratory staff's web screen to the requesting terminal,~~ the clinical laboratory staff's screen including at least one block selected from the group consisting of a user information display block which displays information on the clinical laboratory staff, a main menu block which displays all menu items used by the clinical laboratory staff, and a patient information input/output block which allows the clinical laboratory staff to enter or view information on a patient;

[[ (3) ]] displaying information on the user information display block, using the controller, when a patient to be reviewed is selected, ~~the controller displaying information on the user information display block,~~ the information including at least one information item selected from the group consisting patient identification, department concerned, primary care physician, diagnosis, operation, examination history, consultation history, treatment history, treatment room and examining room; [[and]]

[[ (4) ]] the controller outputting, using the controller, pertinent information accordingly to the content of the menu item selected from the main menu block to the patient information input/output block; [[and]]

storing, using the controller, the examination or treatment related information input through the patient information input/output block, and

outputting, using the controller, the examination or treatment related information when there is a request for reviewing the information,

wherein the clinical laboratory staff's web screen ~~in act (2)~~ is at least one of selected from a web screen for information on function tests assigned to the respective departments concerned, a web screen for a rehabilitation service for physical therapy and occupational therapy, and a web screen for radiotherapy.

16. *(currently amended)* The method of claim 15, wherein:

when the clinical laboratory staff's web screen is a web screen for displaying information on function tests assigned to the respective departments concerned, the main menu block comprises menu items selected from ~~the group consisting of~~ order view, reservation query, reservation, registration, execution, interpretation and statistics related to examination, examination code management, reservation and registration of laboratory standard information, and a clinical laboratory registration menu,

~~the method further comprises the act of (5)~~ the controller outputting, using the controller, the information corresponding to the selected menu item to the patient information input/output block, and

storing, using the controller, the input information input through the patient information input/output block.

17. *(currently amended)* The method of claim 15, wherein when the clinical laboratory staff's web screen is a web screen for displaying information on rehabilitation, the method further comprising; ~~comprises the act of (6)~~

including in the main menu block including at least one menu item selected from the group consisting of an outgoing patient query menu, a patient identification query menu, a registration menu, a therapist allocation menu, a treatment schedule query menu, and a statistics menu, [[and]]

~~the controller outputs~~ outputting, using the controller, the information corresponding to the selected menu item to the patient information input/output block and

stores storing, using the controller, the input information input through the patient information input/output block.

18. *(currently amended)* The method of claim 15, wherein when the clinical laboratory staff's web screen is a web screen for displaying information on health examination for medical checkup for health promotion, the method further ~~comprises the act of (7)~~ comprising:

~~the controller outputting, using the controller,~~ a plurality of health examination menu forms in a standard type of package, receiving, [[and]]

storing reservation registrations, [[and]]

outputting contents corresponding to the registrations, and

~~receiving and~~ storing data resulting after checking whether the health examination has been executed.

19. *(currently amended)* The method of claim 15, wherein when the clinical laboratory staff's web screen is a web screen for displaying information on the treatment result by radiotherapy, the method further comprises ~~the act of (8)~~;

~~the controller~~ outputting, using the controller, information on a patient to be subjected to radiotherapy, and

~~receiving and~~ storing data resulting after checking whether the radiotherapy has been executed.

20. *(currently amended)* The method of ~~claims claim~~ claim 15, wherein information displayed when the menu items are selected is information input through at least one



terminal selected from the physician terminal, the nurse terminal, the clinical laboratory staff terminal, and the administrative staff terminal.

21. *(currently amended)* An online medical information management method applied to a medical information providing system, comprising the acts of:

[[ (1) ]] managing, using a controller, medical information necessary for patient care;

~~by a controller transmitting, using the controller,~~ a physician's web screen, a nurse's web screen, and a clinical laboratory staff's web screen for medical information management to each of a physician terminal, a nurse terminal, and a clinical laboratory staff terminal, which are connected to the service providing system through a network, [[and]]

storing the medical information to allow the user to share the information input through the respective terminals through the web screens;

[[ (2) ]] supplying, using the controller, pertinent decision support information retrieved from the decision support information stored in a decision support management unit to the requesting user through the corresponding decision support web screen when there is a request for viewing decision support information through a menu item supplied from the at least one of the physician's web screen, the nurse's web screen, and the clinical laboratory staff's web screen, ~~the controller supplying pertinent decision support information retrieved from the decision support information stored in a decision support management unit to the requesting user through the corresponding decision support web screen;~~

[[ (3) ]] storing, using the controller, storing information input by at least one user selected from a physician, a nurse or an clinical laboratory staff member through the physician's decision support web screen and, when it is desired necessary to convert the input information based on prestored patient information,

performing a pertinent calculation, [[and]]

supplying [[the]] a results of the calculation [[result]] through the decision support web screen when anticancer agent web screen is selected by the requesting user, the controller calculates an appropriate dose of anticancer agent based on prestored

patient's weight information and body surface area information and displays the calculated appropriate dose on the anticancer agent web screen; and

[[ (4) ]] the-controlling allowing, using the controller, the information input through the decision support web screen to be viewed through the user's web screen; and issuing an alert message to the user's web screen when the information input through the user's web screen is inappropriate information with respect to the decision support information stored in the decision support management unit, the decision support information including at least one information item selected from ~~the group consisting of~~ anticancer agent information, antibiotics information, blood transfusion prescription information, and medicine information.

22. *(currently amended)* The method of claim 21, wherein the decision support web screen for displaying various types of information on an am anticancer agent ~~contains~~ comprises at least one submenu item selected from ~~the group consisting of~~ Select Regimen, View clinical laboratory test results and Modify Regimen, Prescribe Regimen, Prescriber antiemetics, and Discharge plan, the anticancer agent web screen performing at least one function selected from ~~the group consisting of~~ management of an anticancer agent protocol, issuance of a prescription for the anticancer agent, query of information on related medications, and access to a patient's blue sheet.

23. *(original)* The method of claim 21, wherein the antibiotics web screen of the decision support web screen for providing a variety of information related to antibiotics allows antibiotic-related information including type and does of antibiotics used for specific illnesses or indications to be managed in a database and performs functions of controlling/managing actual prescriptions issued.

24. *(original)* The method of claim 21, wherein the blood transfusion prescription information screen supplies the user with various types of information including detailed information on blood components to be transfused to the patient on a quantity of blood components suitable for the patient's status, receives and stores transfusion-related orders, and supplies the user with order contents through the user's web screen when there is a request for the orders.

25. *(currently amended)* The method of claim 21, wherein the medication information web screen of the decision support web screen, for inputting and viewing a

variety of medication information, displays at least one information item selected from ~~the group consisting of~~ brand name, generic name, dose, dosage, instructions for use, unit, pharmaceutical company, dosage form, insurance price and code, and information on dose limitations, medication code, medication interaction code, interacting medication code, medication contraindication code, contraindicating item code, allergy code, allergen code, insurance stipulations that may contain period of medication prescription, information on dosage, information on names of medication and diagnosed illness, and information order of medication use, each of the information items being categorized into information on prescription for medication, information on medication warning, information on insurance stipulations, and information on medication classification.

26. *(previously presented)* The method of claim 21, further comprising:  
displaying functions on the decision support web screen for a manager, using the controller, wherein when a user authorized for management requests through the user's web screen at least one function selected from ~~the group consisting of~~ correcting, deleting and editing of the decision support information and registration of new decision support information, ~~the method further comprising the step of (5) displaying the functions on the decision support web screen for a manager.~~